

SECTION 6

6.45 MISCELLANEOUS METALWORK AND PIPING:

All fabrication shall be equal to the best practice in modern fabricating shops. Welding shall be performed by certified welders, with all exposed welds ground smooth. All weld splatter shall be properly removed to the satisfaction of Denver Water.

All exposed hardware, including nuts, washers, bolts and anchor bolts, shall be galvanized.

All exposed metal that is to be buried shall be given two coats of CA-1200 mastic cold coating as manufactured by Protecto Wrap Company, Denver, Colorado, or equal, except for metal with shop applied coating approved by Denver Water.

All metal exposed to weather shall be painted with one coat of a rust inhibiting priming paint and two coats of aluminum paint, unless otherwise directed by Denver Water. Surfaces to be painted shall be cleaned of oil, grease, weld spatters, burrs, grit, dust or other objectionable surface irregularities. Cleaning solvent used shall be mineral spirits. Copper, aluminum or galvanized pipe need not be painted, unless so directed by Denver Water.

All miscellaneous piping shall be installed in the best workmanlike manner. All threads on steel pipes shall be cut with sharp dies to standard depth, left clean cut, and tapered. Threaded pipe joints shall be properly sealed with an approved joint compound applied on the male threads only.

All concealed joints for copper water tubing within buildings shall be soldered or brazed in conformance with Denver Building Code Standards. The joint of the copper pipe shall be properly cleaned, flux applied, and soldered with 95-5 tin-antimony solder, all applied in accordance with the best plumbing practice. All parts to be soldered shall be thoroughly cleaned before flux is applied. All copper piping, where the pipe is in direct contact with pipe hangers or other metal supports, shall be protected with a copper saddle soldered to the underside of the pipe. Saddles may be made of split copper pipe.

All copper joints installed underground shall be flared or brazed. Flaring and brazing shall be performed with the best plumbing practices.